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SUBJECT Special Aluminum Production Plan

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1. Beginning in March 1953, increasing quantities of aluminum plates, aluminum profiles, and cast electron are to be produced by the metallurgical industry. These rolled aluminum products will have a strength of 50 kilograms per square millimeter. The plates will be between 0.5 and 5 millimeters thick and measure 2,000 by 1,000 and 2,000 by 500 millimeters. The profiles will probably correspond to the norms 3115.5 and 3115.4 (sic). In 1953 a total of 65 tons of semi-finished aluminum will be required. In 1954, 1,125 tons and in 1955, 1,680 tons. An additional 50 to 60 tons may be required in 1954.

The following are some prerequisites for meeting the requirements for the special aluminum program.

2. Plates

VER / In Leichtmetallwerk Radevitz would be capable of producing 30 tons of plate a month, if a cooling apparatus were added to the annealing oven and the finishing framework were assembled. About 50,000 east marks are required for this project. SAG Kunfer und Messingwerke Hettstedt is capable of producing 100 tons of plate a month. The requirement for the special aluminum program will be met, including the maximum requirement in 1955, if the other aluminum plate requirements are not taken into account.

3. Stamped Profiles including Pipes

✓ A stirring machine suitable for various classes of profiles with a cooling apparatus is in Hettstedt and is capable of producing from 80 to 100 tons a month. The Berliner Metallhütten- und Halbzeugwerke can produce from 35 to 40 tons monthly. If this capacity were required, it would only be necessary to make a small investment in the stirring equipment.

The drawing capacity is smaller than the stirring capacity in both Bautzen and VER Vesta Halbzeugwerke Auerhammer Sachsen. The drawing capacity in each works amounts to 20 tons a month. In any case, the capacity is sufficient to assure the fulfillment of the special aluminum program including 1955.

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4. Bent Profiles

There is an aluminum band rolling mill in Hettstedt which makes preparatory bands (Vorbänder). There is no bending machine available for bending the metal into angles of 45° or less.

5. Cast Electron

The requirement for cast electron can only be fulfilled in connection with the entire magnesium program. It is necessary, in connection with the development of aluminum production according to the Plan, that magnesium be in production at least by the middle of 1953. According to the old key figures the requirement for magnesium should be about 10 percent of aluminum production. This 10 percent includes magnesium for cast magnesium, as well as magnesium to be used as an alloy element for electron and hydronium.

6. The following list shows the requirements for the special aluminum program including 20 percent waste.

		Total Serifinished Products	Plate	Stamped Profiles	Bent Profiles	Cast Electron
March	1953	10	7	2	1	--
April	1953	5	3	1	1	--
May	1953	5	3	1	1	--
June	1953	5	4	1	--	--
July	1953	5	3	1	1	--
August	1953	5	4	1	--	--
September	1953	5	3	1	1	--
October	1953	5	4	1	--	2
November	1953	10	7	2	1	2
December	1953	10	7	2	1	2
Total	1953	65	45	13	7	6
January	1954	60	40	15	5	4
February	1954	65	40	15	10	4
March	1954	70	50	10	10	4
April	1954	75	50	15	10	4
May	1954	80	50	20	10	4
June	1954	85	60	15	10	5
July	1954	90	60	20	10	5
August	1954	100	70	20	10	5
September	1954	110	80	20	10	5
October	1954	120	90	20	10	5
November	1954	130	100	20	10	5
December	1954	140	110	20	10	5
Total	1954	1125	800	210	115	55
Total	1955	1680	1200	320	160	110
Each month	1955	140			5	

25X1 1. [] Comment: The German - English Dictionary of Aeronautics and Allied Terms, published by Central Air Document Office (Navy-Air Force) gives the following interpretation of Elektron: a type of very light alloy with a very high percentage of magnesium and a low percentage of aluminum.

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